



WATER TOPICS — **OVERVIEW COMMITTEE**

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ND WATER
December 7, 2021

NORTH
Dakota | Water Resources
Be Legendary.

PRESENTATION OVERVIEW

- | | |
|---|-------------------------------------|
| 1 | DWR & SWC |
| 2 | Drainage-Related Bills |
| 3 | Water Supply & Development |
| 4 | Cost-Share Program |
| 5 | Water-Related Funding |
| 6 | Collaboration, Innovation, & Growth |





Divisions Within DWR Will Remain The Same Including:

- Administration
- Atmospheric Resources
- Planning & Education
- Regulatory
- Water Appropriation
- Water Development

"New Name, Same Vision"

DEPARTMENT OF WATER RESOURCES

HB 1353 RESTRUCTURED THE AGENCY AS THE DWR, APPOINTED A DIRECTOR,
& MADE THE AGENCY A MEMBER OF THE GOVERNOR'S CABINET

WATER COMMISSION



SWC Chair
Governor Burgum



Ag. Comm.
Goehring



DRAINAGE-RELATED BILLS

HB 1437 & SB 2208

- House Bill 1437 Amends The Existing Subsurface Water Management (i.e. Tile) Permitting Process In North Dakota Century Code 61-32-03.1 (Statute)
- Senate Bill 2208 Establishes An Interim Study, Updates NDCC, Establishes Appeals Process, Addresses Cost-Benefit Analyses, Collaborations With SWC & Water Resource Districts (WRD)

WATER SUPPLY & DEVELOPMENT



DWR FUNCTIONS & RESPONSIBILITIES

Allocation Of The State's Waters

Investigations & Surveys

Cost-Share Funding

LiDAR Collections

Dam Safety

Map Services

Drainage & Construction Permits

North Dakota Cloud Modification Project

Drone Initiatives

PRESENS

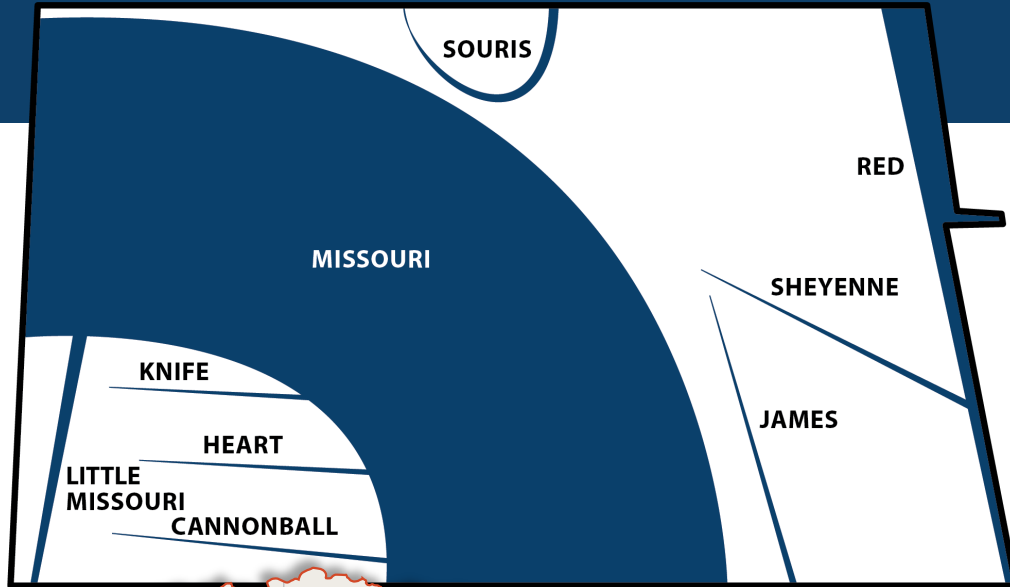
Drought Livestock Program

Sovereign Land Management

Floodplain Management

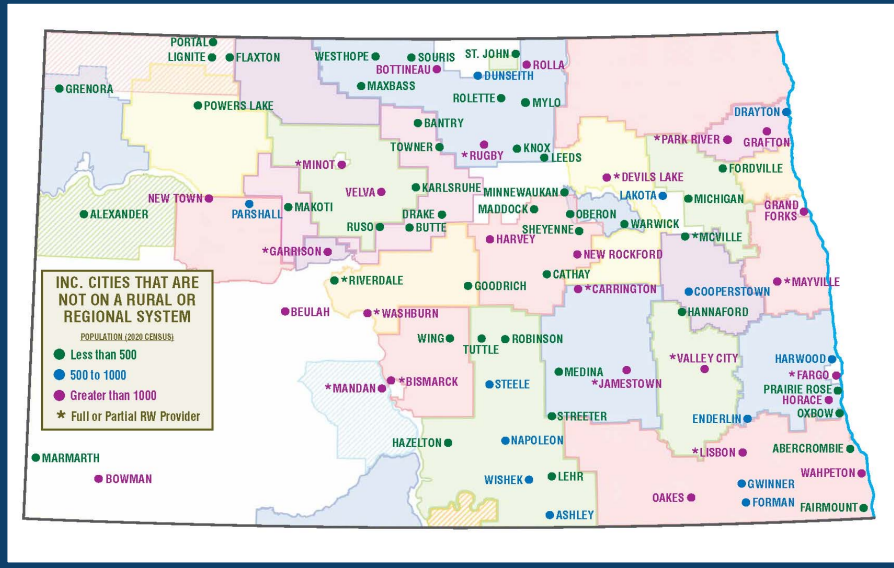
Water Project Funding & Development

MISSOURI RIVER



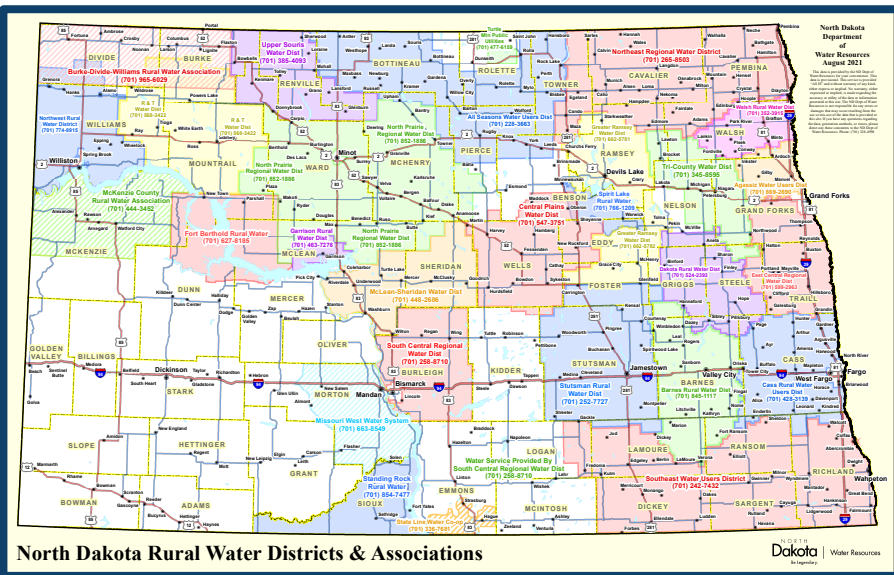
- **Largest River** In North Dakota (Annual Flows)
- **Six Mainstem Dams** For Economic, Environmental, & Social Benefits
- **Flows Through Seven States:** Montana, North Dakota, South Dakota, Nebraska, Iowa, Kansas, & Missouri
- **Reservoir System Created For:** Flood Control, Water Supply, Recreation, Irrigation, Hydropower, Water Quality, Fish & Wildlife, & Navigation

RURAL WATER SYSTEMS



- Costs For Rural & Regional Projects Next Biennium Are **Nearly \$88M**

- Funding **Requests** Are Used To: Increase Water Quantity, Water Quality, & Update Infrastructure

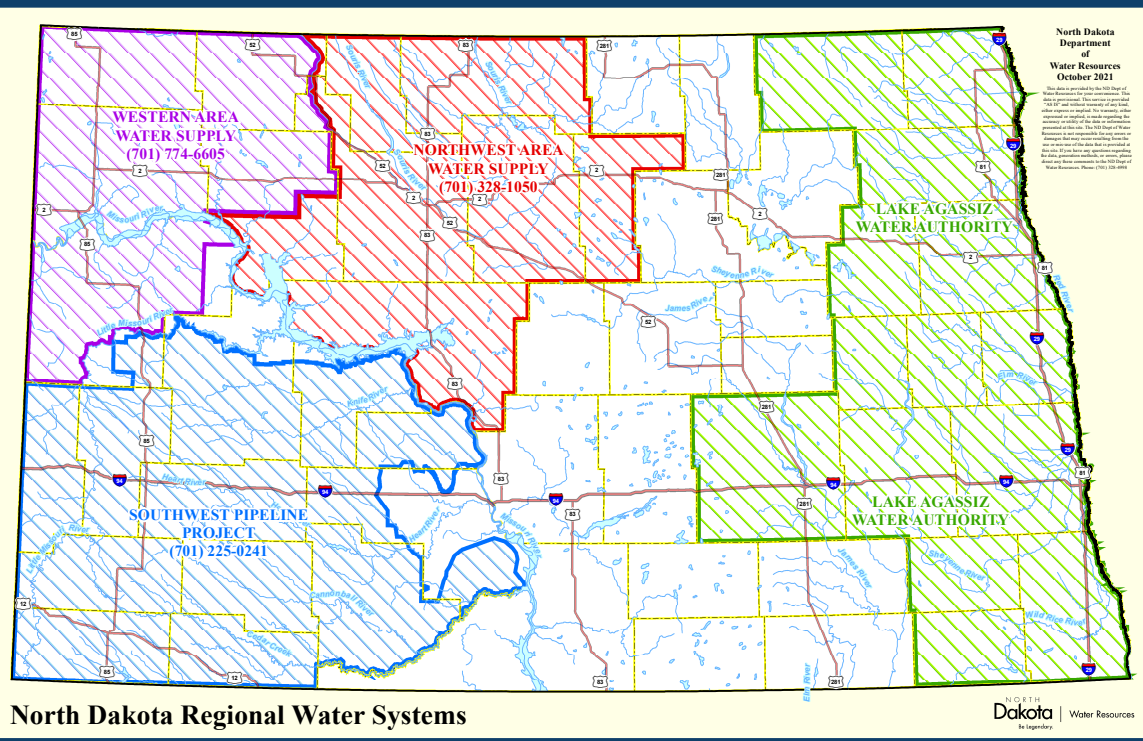


- Touch Every County In The State Through A Network Of **40,000 Miles Of Pipe**

- Provide Water Service To **Over 150,000 Rural Residents** Through 65,000 Connections

- Serve 268** Of ND's 357 Incorporated Cities

REGIONAL WATER SYSTEMS



\$677.4M

Total State Investment To Date

\$1.2B

Total Estimated Foreseeable State Funding Need

SOUTHWEST PIPELINE PROJECT

Serves **More Than 56,000** In Southwest ND

Total State Investment To Date **\$281.6M**

NORTHWEST AREA WATER SUPPLY

Designed To Serve **81,000** Water Users

Total State Investment To Date **\$54M**

WESTERN AREA WATER SUPPLY

Serves **More Than 60,000** Water Users

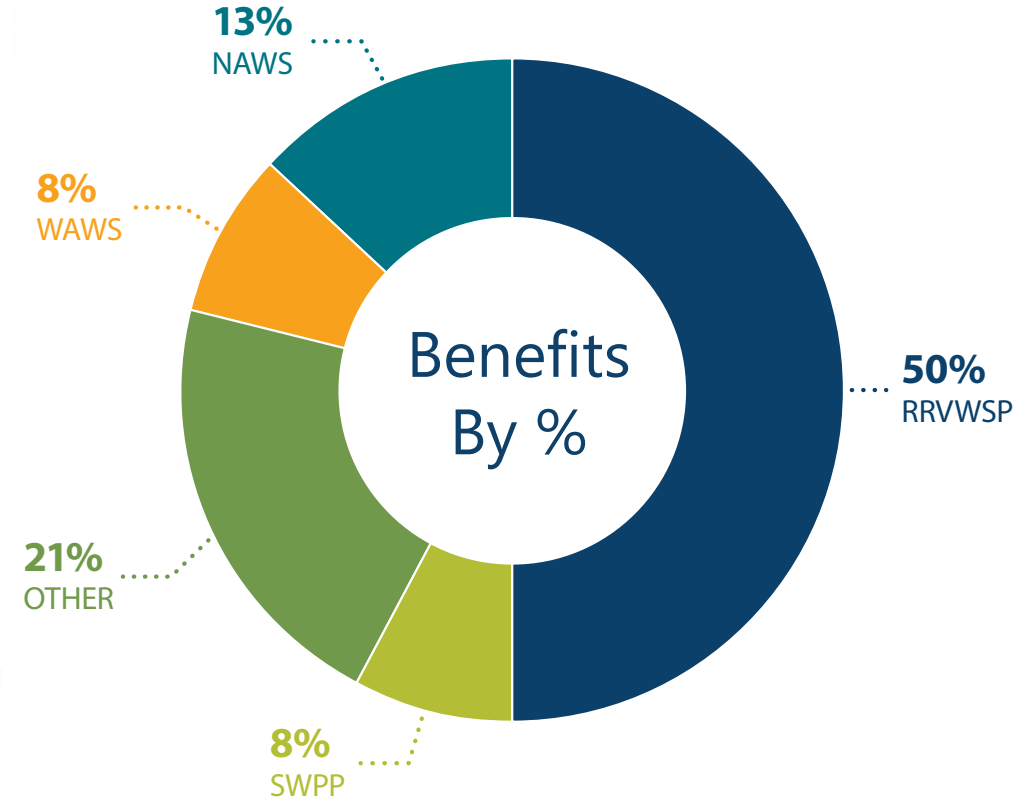
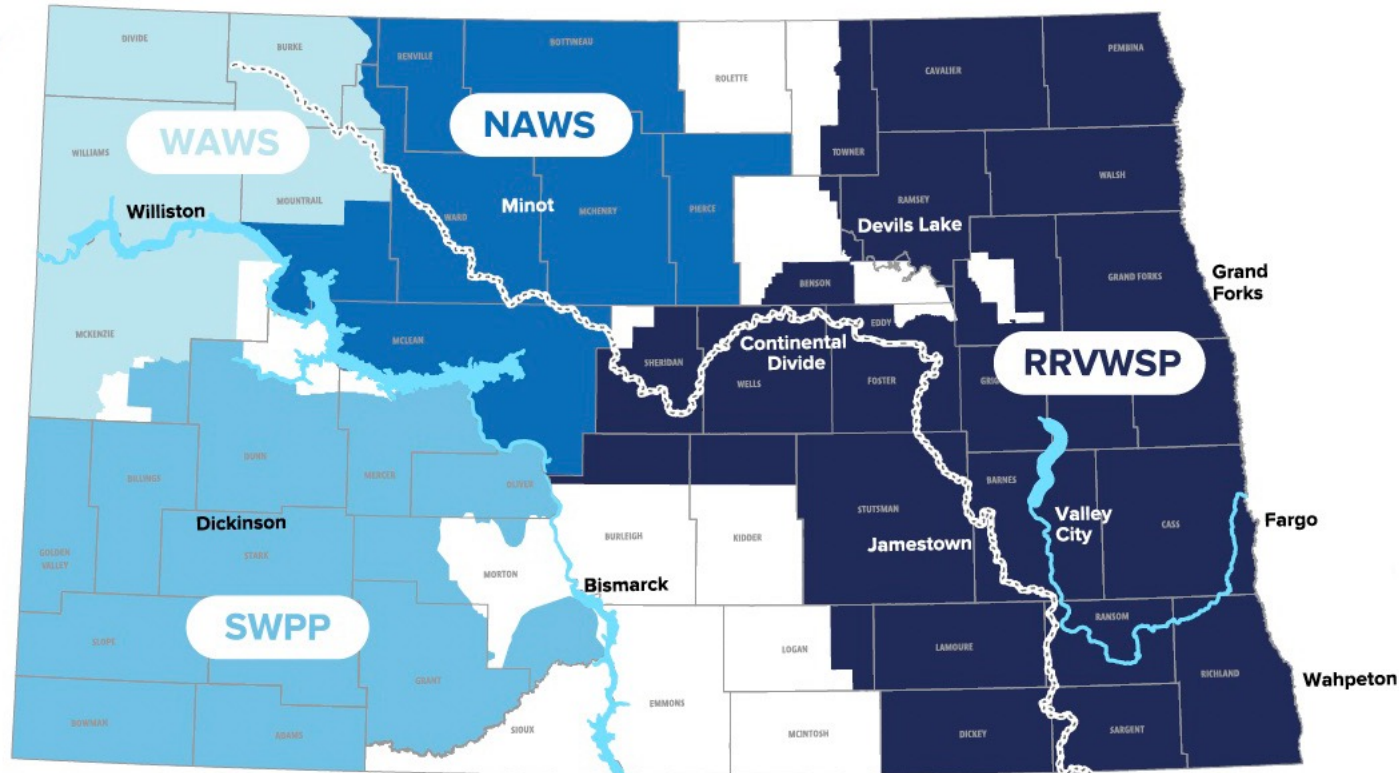
Total State Investment To Date **\$224.3M**

RED RIVER VALLEY WATER SUPPLY

Designed To Serve **Nearly 50%** Of Population In Central & Eastern ND

Total State Investment To Date **Over \$117.5M**

4 MAJOR REGIONAL WATER SUPPLY PROJECTS



4 Major Systems Benefit 79% Of North Dakotans

STRATEGIC GOVERNANCE & FINANCE STUDY



- Analyze Past & Current Financing & Governance Structures Of State's Four Largest Regional Water Supply Systems
 - NAWS, SWPP, RRVWSP, WAWS
 - Study Conducted By AE2S
- Includes Recommendations To Future Operation, Governance, & Financing Options
- Next Steps Include: Review WAWS & SWPP & Review Legislative Options

STRATEGIC GOVERNANCE & FINANCE STUDY

PRIMARY MIGRATION BENEFITS

Lowering State Costs



By lowering state cost-share to 65%, the recommended scenario is anticipated to save the RTF nearly \$350M over the next 10-years.

Reducing Local Water Costs



By providing affordable state financing for local costs and restructuring of cost-share, the recommended scenario is projected to lower the local cost of capital for all four system as compared to their current funding structure.

Getting Projects Done Sooner



Migrating to the proposed governance and cost-share structure allows for greater resource deployment at both the state and local level, allowing for project acceleration and broader water project implementation state-wide.

Creating Equity Amongst Systems



Migrating to a more consistent state and local governance and cost-share model to balance accountability and fairness between projects.

Simplifying State Governance



By migrating all projects' primary oversight to the SWC, state governance will be simplified and common for all four systems.

Removing Inter-Basin Water Supply Burden



Third Party ownership of non-standard inter-basin water supply assets allows local systems to focus on local assets and provides efficiencies from 3rd Party agency in the management of inter-basin raw water supply.

COST-SHARE PROGRAM



COST-SHARE PROGRAM

40% Recreation

45% Rural Flood Control

50% Irrigation

50% Snagging & Clearing

50% Bank Stabilizations

60% FEMA Levee Accreditation

60% Flood Control

60% Municipal Water Supply

60% Dam Repairs, Removals, & Retention

75% Flood Recovery Acquisitions

75% Rural Water & Regionalizations

75% Low Head Dam Roller Mitigation

80% Emergency Dam Action Plans

DWR Transitioned To WebGrants One-Stop Portal



PLANNING & PREPARATION

- DWR Completes Water Development Plans (WDP) Each Biennium - Projects Given Priority by DWR & SWC
- Process Begins 1 Year Prior To Legislative Sessions
- DWR Seeks Project Sponsor Input - Creates Prioritized Inventory Used For Budgeting & Informing Legislature
- Preparation For Upcoming WDP Will Begin In January 2022

https://www.dwr.nd.gov/info_edu/state_water_plan/index_water_plan.html

WATER DEV. PLAN TIMELINE & MILESTONES

Tasks	2022												2023
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan
Request Project Information From Sponsors Via Letter, Email, Social Media Posts, Website, The Current Newsletter													
Reminder Post-card Mailing, Email, Social Media, Website, The Current Newsletter													
Project Sponsor Information Development & Submittals													
Post-Submittal Deadline Correspondence with Project Sponsors - As Necessary													
Water Commision Subcommittee Reviews (All Projects) - Public Meetings													
Commissioner-Hosted Basin Meetings (8 Total) - Project Inventory Made Available For Public Review/Updates													
Project Inventory Updates													
Water Development Plan Writing, Layout, Figure & Table Development													
First Draft To SWC For Review													
Final Draft To SWC For Review													
SWC Approval of 2023 WDP													
Process Milestones													

In June, Subcommittee Reviews All Submitted Projects & Assign Them A Priority



All Water Supply Projects
Life Cycle Cost Analysis

Flood Control & Water Conveyance
Economic Analysis

LIFE CYCLE COST & ECONOMIC ANALYSIS

RESOURCES TRUST FUND (RTF)

PRIMARY REVENUE FOR WATER DEVELOPMENT PROJECTS IN ND



- Designated By Legislature & Utilizes 20.5% Of The State's Oil Extraction Tax
- Projected 2021- 2023 RTF Revenue \$321M
- \$402M For New Projects
- As Of The November Payment, We Are Tracking \$6.4M or 11.6% Over Projections
- Ten Year Water Project Funding Needs - \$2.5B

2021-2023 WATER-RELATED FUNDING

HB 1020: WATER RESOURCES BUDGET BILL

\$1.1M

Basin-Wide Plan

\$59.6M

Rural Water Supply

\$6.0M

Discretionary Funding

\$63.9M

Salaries & Operating

\$14.2M

General Water

\$125M

Water Supply

\$48M

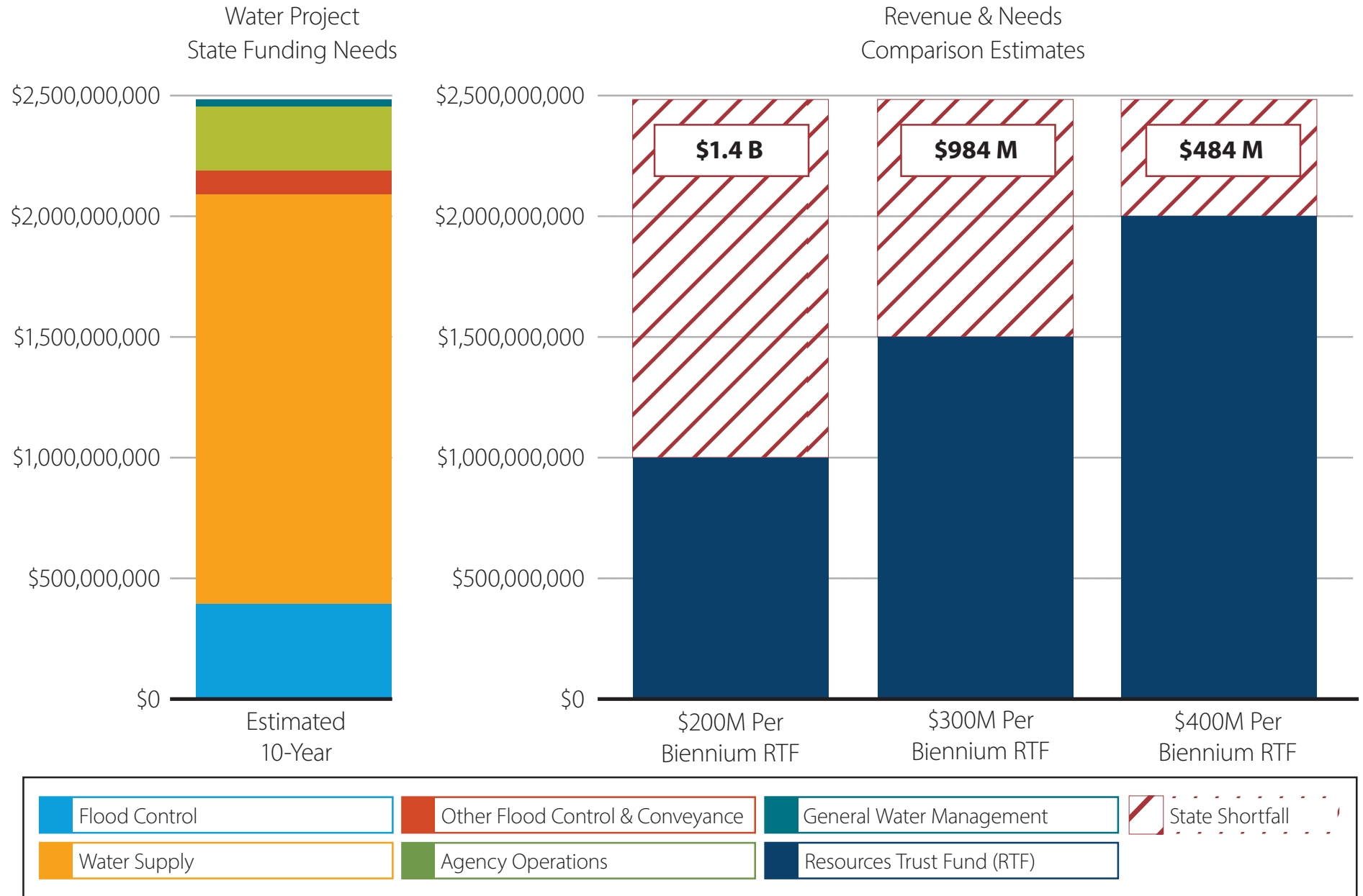
Flood Control

\$148.5M

Capital Assets

- HB 1431: Bonding Bill Supporting Water Infrastructure (\$50M IRLF, \$74.5M Mouse River Flood Protection, \$435.5 FM Flood Control)

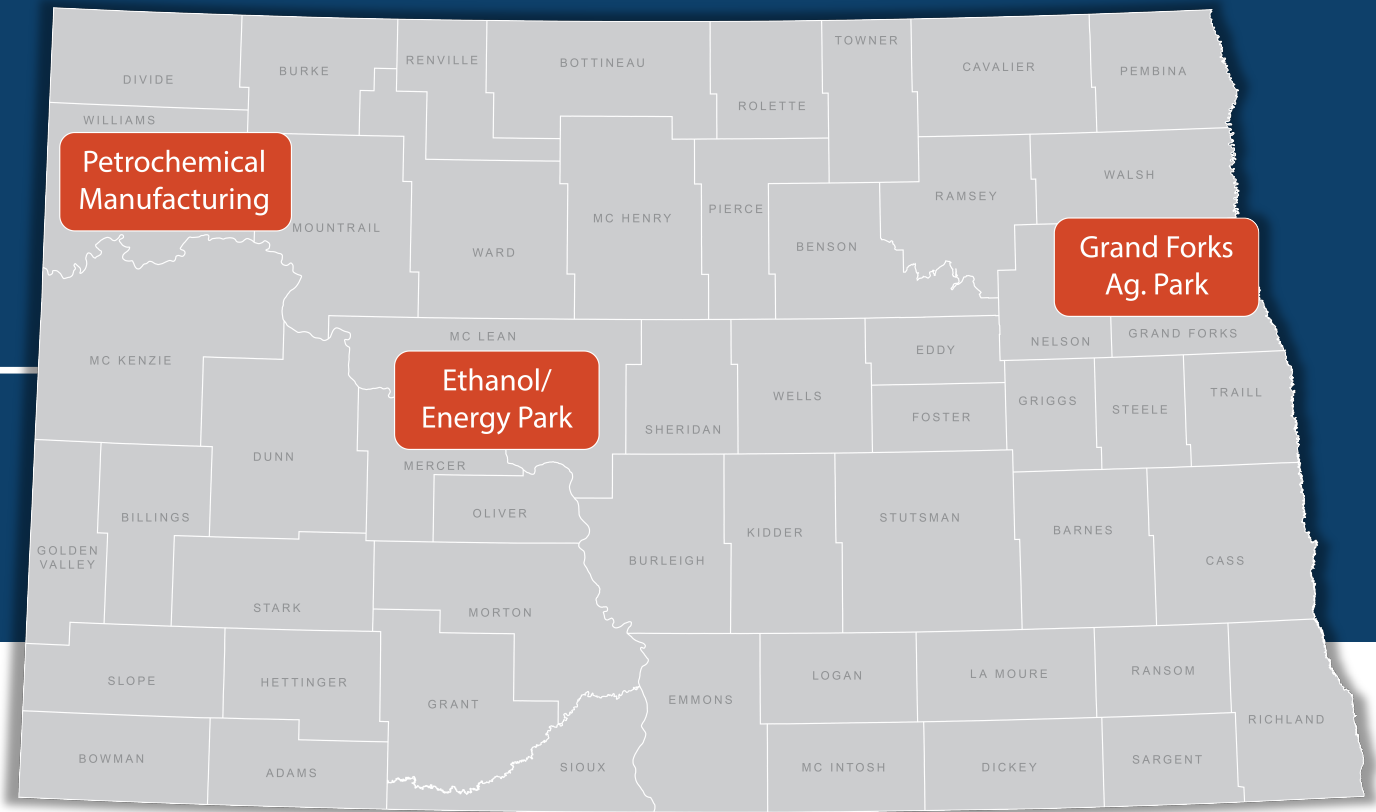
10-YEAR WATER PROJECT FUNDING NEEDS & REVENUE COMPARISONS



ARPA

ECONOMIC DEVELOPMENT OPPORTUNITIES

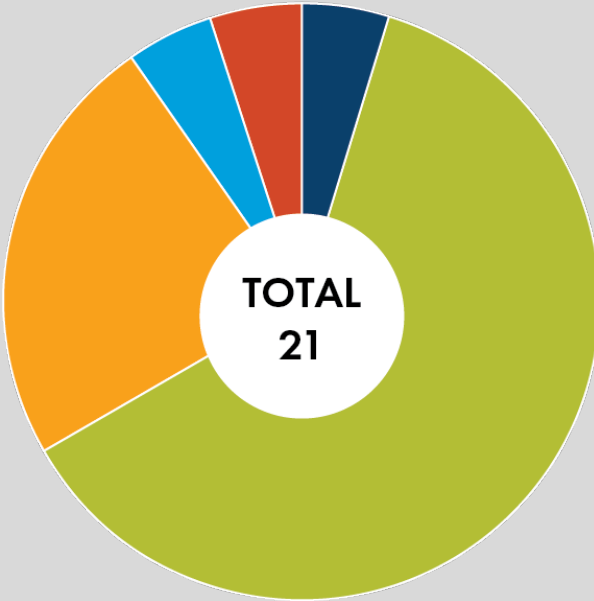
WATER INFRASTRUCTURE WILL BE A KEY FACTOR



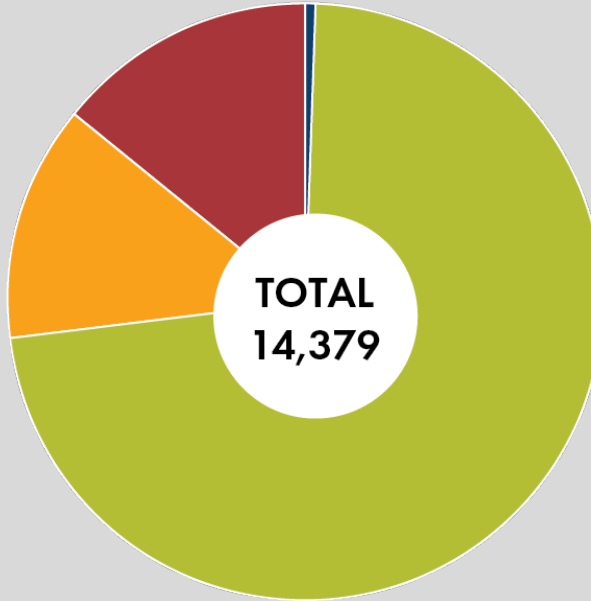
- Department Of Commerce Renewed Approach To Economic Development - Working on \$25B in Projects Statewide
- SB 2345 Signed During Special Session - Provides ARPA Funding Of \$75M For Critical Water Infrastructure
- Water Projects Stabilization Fund - Provides \$1M For Defraying Planning & Construction Expenses

CONDITIONAL

of Permits

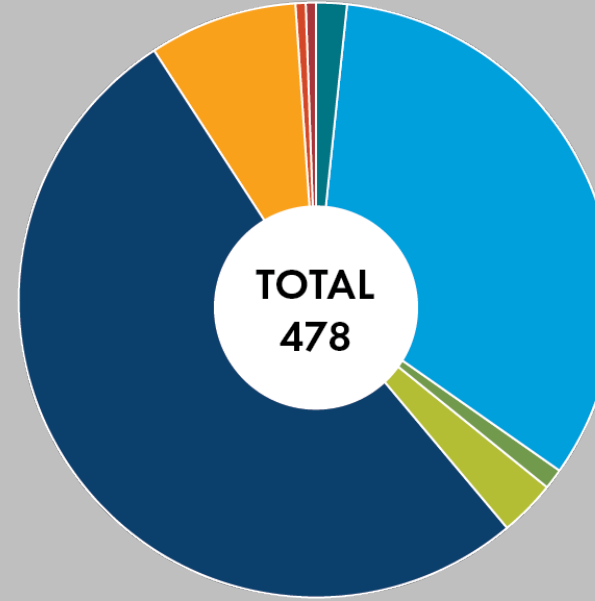


Acre Feet Approved

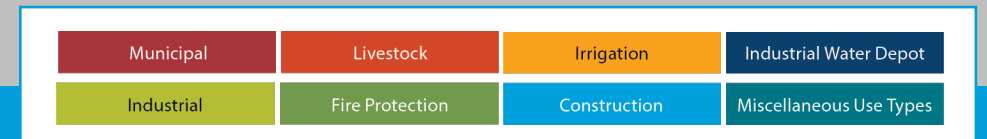
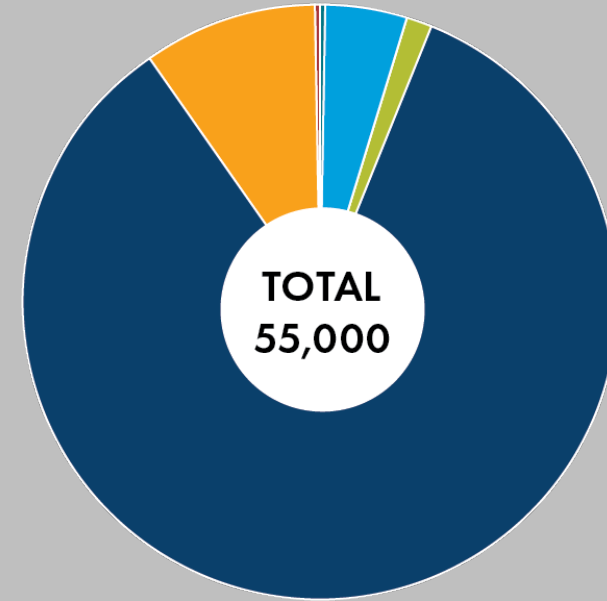


TEMPORARY

Of Temp Permits

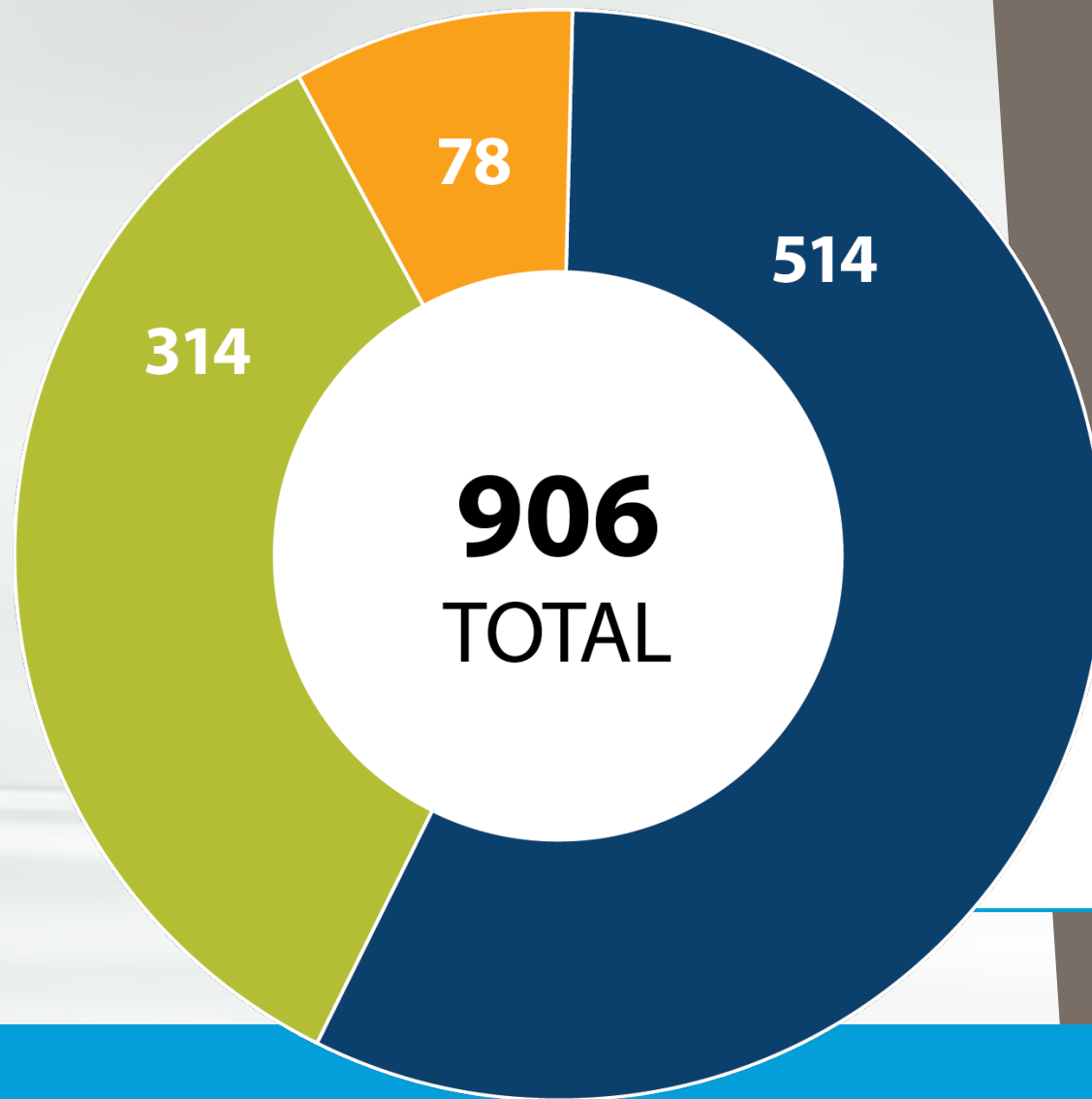


Acre Feet Approved



PERMITS ISSUED IN 2021

WATER APPROPRIATION DIVISION



Unique Actions
Processed By
Staff In 2021
For Conditional
Permits &
Temporary
Water Permit
Processes.

Application Analysis

Application Administration

Permit Administration (Post-Permit)

Assignment

Address Change

Recommendation

Process Annual Use/Late Fees

Permit Inspection Request

Permit Inspection

Perfection

Extension Of Time

Correspondence

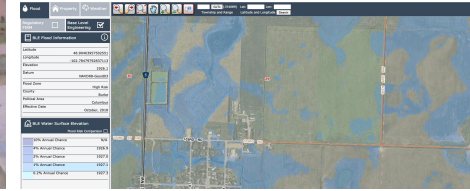
Cancellation

Attachment

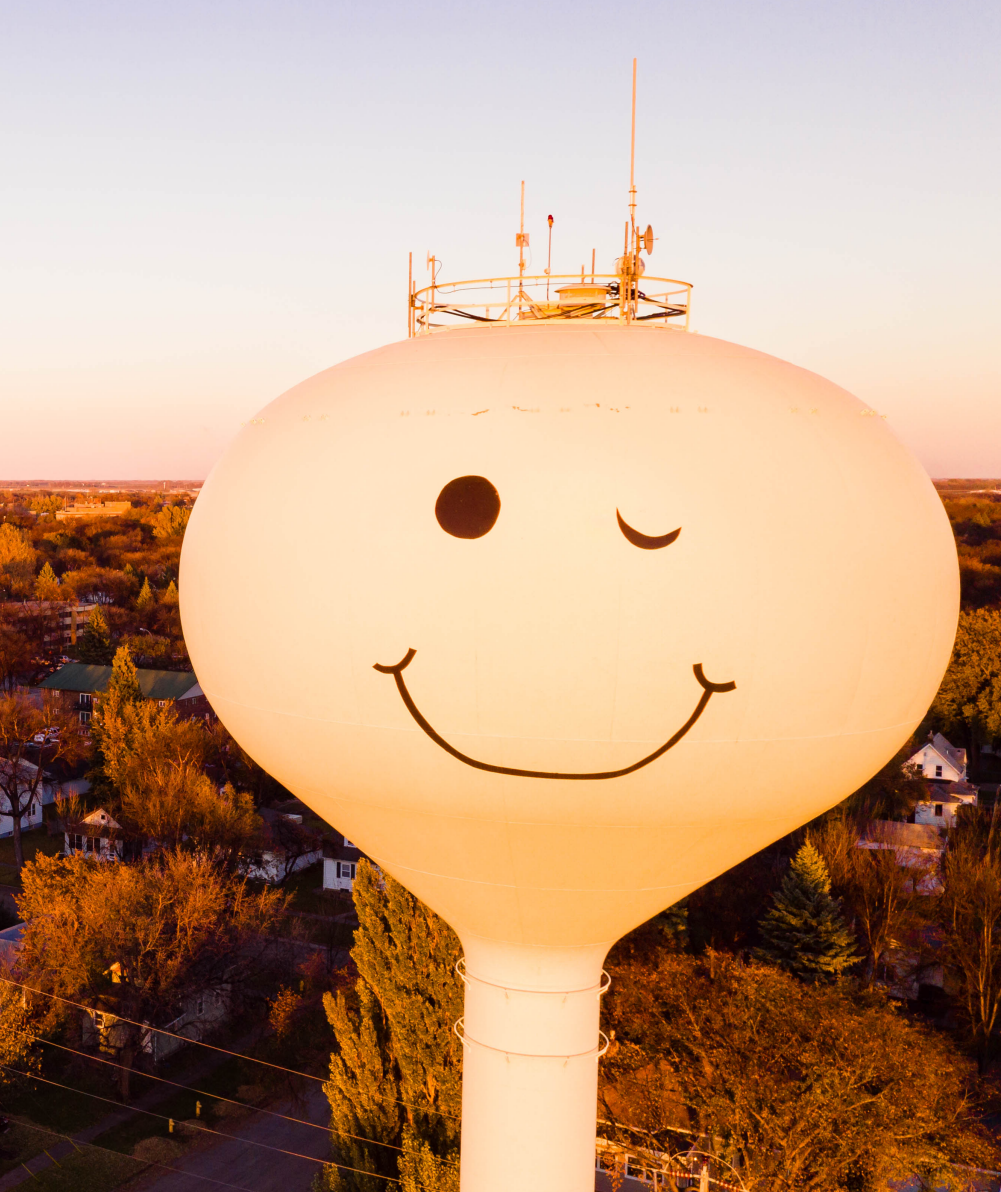
2021 WATER PERMIT STAFF ACTIONS

WATER APPROPRIATION DIVISION

- Smart, Efficient Infrastructure
- Long-Term Resiliency
 - Flood Protection & Water Supply Projects
- Successful Innovation
 - DWR Drone Program
 - North Dakota Risk Assessment Map Service (NDRAM)
 - Agency Map Services
 - Pushing REmote SENSors (PRESENS)
- Community Empowerment
 - Valued Project Sponsors, Collaborative Efforts, & International Partnerships



INNOVATION & GROWTH



- Customer Service - Responsiveness
- Strategic Planning
- Effective Public Outreach
- Water Management At A Regional, State, Tribal, & National Level
- Water Appropriation, Modeling & Permitting Dashboard
- Continued & New Partnerships

MOVING FORWARD

GRATITUDE

Thank You Governor Burgum, Commissioners,
Legislators, & Stakeholders For Continual Support

THANK YOU



ND Department of Water Resources



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www.facebook.com/NDWaterResources

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